

Product datasheet for **MR217516**

Sh3rf2 (NM_172966) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3rf2 (NM_172966) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sh3rf2
Synonyms:	2310046K19; 9130023G24Rik; A1452083; Ppp1r39; RNF158
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217516 representing NM_172966
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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Protein Sequence: >MR217516 representing NM_172966
Red=Cloning site Green=Tags(s)

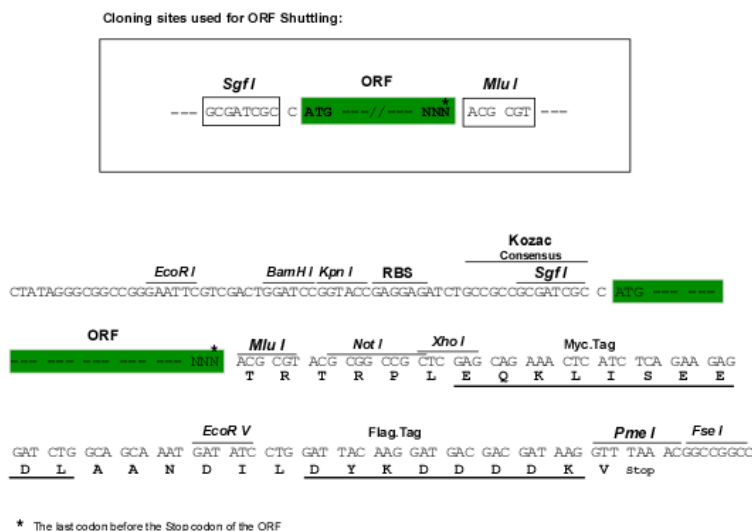
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RKNGLSQRPVQSGIPTFMVGLRCSPTM VIRQRFQFYPPQGMTSPSTPIMVEMGSKSIYTGE PALTGIN
RGSKTRIHSA GNSIIMEGKETPIKSEPPPKPPASAPPSILVKPENSKNGTEKQVKTVRFQNYSPPTKHS
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PSK
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_172966

ORF Size: 2109 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_172966.3](#), [NP_766554.2](#)

RefSeq Size: 4688 bp

RefSeq ORF: 2112 bp

Locus ID: 269016

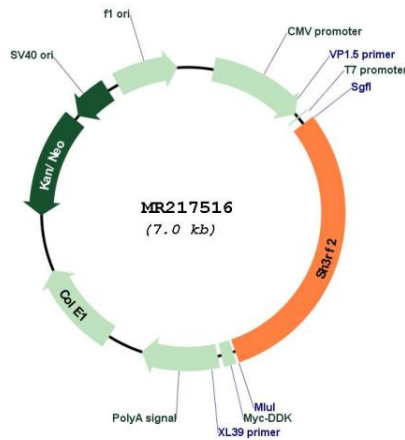
UniProt ID: [Q8BZT2](#)

Cytogenetics: 18 B3

MW: 77 kDa

Gene Summary: Has E3 ubiquitin-protein ligase activity. Acts as an anti-apoptotic regulator of the JNK pathway by ubiquitinating and promoting the degradation of SH3RF1, a scaffold protein that is required for pro-apoptotic JNK activation. Facilitates TNF-alpha-mediated recruitment of adapter proteins TRADD and RIPK1 to TNFRSF1A and regulates PAK4 protein stability via inhibition of its ubiquitin-mediated proteasomal degradation. Inhibits PPP1CA phosphatase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217516